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COTTON GIN EQUIPMENT 1967



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UNITED STATES DEPARTMENT OF AGRICULTURE
 CONSUMER AND MARKETING SERVICE
 MARKET NEWS SECTION - COTTON DIVISION
 P.O. BOX 17723 MEMPHIS, TENNESSEE 38117

COTTON GIN EQUIPMENT - UNITED STATES
1967

SUMMARY

The trend toward fewer gin batteries continues in the cotton ginning industry of the United States, according to the Department of Agriculture, Consumer and Marketing Service. Further improvements in ginning technology and more facilities for cleaning and drying have been associated to a large degree with the major transition to mechanical harvesting of the crop. Changes in marketing and processing of cotton have also influenced the development and installation of ginning and related equipment. The trend toward fewer gin batteries is due largely to the high cost of both original and replacement equipment, particularly for the modern high-capacity gins. This report presents in tabular form specified types of equipment and machinery in cotton gins in the United States at the beginning of the 1967-68 cotton season.

Gin equipment data are presented in this report in five groups of three tables each. The first group of three tables covers equipment by states and the United States. The other four groups of tables present ginning data by classing office territories and states in each of the four geographical areas of the Cotton Belt.

The number of active gin batteries decreased nearly 13 percent in the last five years. There were about 4,700 gin batteries in July 1967 compared with 5,400 in July 1962. The largest decrease in gin batteries, by geographic area, occurred in the southeastern area of the belt with 263 fewer batteries in 1967 than in 1962. The smallest decrease was in the western area where there were 95 fewer batteries.

The proportion of active gin batteries in the United States equipped with lint cleaners increased from 93 percent in 1962 to 98 percent in 1967. There was also an appreciable increase in the number of gins having multiple stages of lint cleaning. Approximately three-fourths of all gins with lint cleaners have two or more stages of lint cleaning against two-thirds in 1962.

Seed cotton cleaning equipment above the distributor has increased substantially since 1962. The most significant increase has been in the installation of stick and green leaf machines. The proportion of all gin batteries having this cleaning equipment increased from 25 percent in 1962 to 49 percent in 1967. The installation of other seed cotton cleaning equipment such as magnets and green boll traps also increased during this period. The proportion of gins equipped with bur extractors decreased slightly.

Seed cotton drying equipment is now installed in 99 percent of all gin batteries in the United States, as compared with 96 percent in 1962. Over two-thirds of the gins with driers now have two or more stages of drying compared with a little over one-half in 1962.

November 8, 1967

Table 1. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by states and United States, July 1967

State and United States	Total number		Batteries			Batteries by volume ginned							Ginning capacity by batteries							
	Gins	Bat- teries	Single	Double	Triple	500 or less	501	1,501	2,500	5,000	10,000	5,001 and over	Bales per hour							
													No.	No.	No.	No.	No.	No.	No.	No.
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
Virginia	11	11				9	2	-	-	-	-	-	9	2	-	-	-			
North Carolina	184	185	183	1		108	66	10	1	-	-	-	153	30	2	-	-			
South Carolina	233	240	226	7		51	123	54	11	1	-	-	169	54	16	1	-			
Georgia	265	271	259	6		51	144	64	12	-	-	-	118	135	17	1	-			
Florida	5	5	5	-		1	3	-	1	-	-	-	1	3	1	-	-			
Alabama	344	349	345	2		49	173	94	32	1	-	-	168	159	19	3	-			
Mississippi	585	604	566	19		35	171	177	180	40		1	266	249	61	19	9			
Illinois & Kentucky	4	4	4	-		3	1	-	-	-	-	-	3	1	-	-	-			
Tennessee	247	251	243	4		16	142	74	17	2	-	-	134	106	11	-	-			
Missouri	126	127	125	1		28	53	38	8	-	-	-	63	57	7	-	-			
Arkansas	472	488	456	16		52	232	140	61	3	-	-	188	268	28	3	1			
Louisiana	198	201	195	3		14	61	57	62	6		1	71	108	16	5	1			
Oklahoma	144	148	141	2	1	17	81	26	19	5	-	-	71	68	7	2	-			
Texas	1,222	1,347	1,117	86	19 1/2	64	386	386	429	71	11		339	863	118	24	3			
New Mexico	59	66	60	3	-	3	11	24	26	2	-	-	13	47	6	-	-			
Arizona	137	138	136	1	-	2	13	23	59	40		1	16	84	33	4	1			
California 2/	245	295	205	33	7 1/2	12	17	52	131	77	6		7	157	104	23	4			
United States	4,481	4,730	4,277	184	27 1/2	515	1,679	1,219	1,049	248	20		1,789	2,391	446	85	19			

1/ Includes one gin with four batteries in Texas and California and one gin with five batteries in California.

2/ Includes one gin in Nevada.

Table 2. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by states and United States, July 1967

State and United States	Total gin bat- teries	Batteries by number of gin stands						Number of gin batteries having										Stages of lint cleaning												
		2 or less		3	4	5	6 or more	Automatic bulk feed control	Seed cotton driers	Stages of drying				Lint clean- ers																
		No.	No.							No.	No.	No.	No.		No.	No.	No.	No.												
																			No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
Virginia	11	6	4	1	-	-	-	-	5	4	1	-	-	-	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina	185	39	84	62	-	-	-	-	12	175	110	62	3	-	-	161	90	59	12	-	-	-	-	-	-	-	-	-	-	-
South Carolina	240	44	96	93	7	-	-	-	43	234	120	109	5	-	-	226	67	123	35	1	-	-	-	-	-	-	-	-	-	-
Georgia	271	51	66	138	15	1	-	-	50	267	110	140	17	-	-	261	86	144	31	-	-	-	-	-	-	-	-	-	-	-
Florida	5	1	1	3	-	-	-	-	1	5	3	2	-	-	-	5	1	3	1	-	-	-	-	-	-	-	-	-	-	-
Alabama	349	76	87	169	17	-	-	-	101	339	152	183	4	-	-	339	66	208	64	1	-	-	-	-	-	-	-	-	-	-
Mississippi	604	84	174	310	33	3	-	-	257	595	211	373	11	-	-	591	157	373	61	-	-	-	-	-	-	-	-	-	-	-
Illinois & Kentucky	4	-	4	-	-	-	-	-	1	4	1	3	-	-	-	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee	251	32	116	96	7	-	-	-	86	246	62	146	38	-	-	250	28	157	62	3	-	-	-	-	-	-	-	-	-	-
Missouri	127	17	41	63	5	1	-	-	73	127	12	110	5	-	-	128	15	72	41	-	-	-	-	-	-	-	-	-	-	-
Arkansas	488	64	162	211	43	8	-	-	191	483	128	332	23	-	-	483	112	292	74	5	-	-	-	-	-	-	-	-	-	-
Louisiana	201	20	37	109	35	-	-	-	75	201	39	149	12	1	-	201	30	123	45	3	-	-	-	-	-	-	-	-	-	-
Oklahoma	148	18	25	77	26	2	-	-	44	148	79	66	3	-	-	146	63	81	2	-	-	-	-	-	-	-	-	-	-	-
Texas	1,347	84	153	526	531	53	-	-	454	1,341	445	783	105	8	-	1,328	378	790	155	5	-	-	-	-	-	-	-	-	-	-
New Mexico	66	5	11	26	19	5	-	-	27	65	26	32	6	1	-	65	7	40	18	-	-	-	-	-	-	-	-	-	-	-
Arizona	138	4	17	16	78	23	-	-	109	138	45	77	15	1	-	138	11	85	34	8	-	-	-	-	-	-	-	-	-	-
California 1/	295	5	23	43	198	26	-	-	293	295	13	218	63	1	-	295	3	197	90	5	-	-	-	-	-	-	-	-	-	-
United States	4,730	550	1,101	1,943	1,014	122	-	-	1,817	4,668	1,560	2,786	310	12	-	4,625	1,119	2,750	725	31	-	-	-	-	-	-	-	-	-	-

1/ Includes one gin in Nevada.

Table 3. Cotton gin batteries with specified kinds of equipment,
by states and United States, July 1967

State and United States	Total gin bat- teries	Number of gin batteries having											
		Seed cotton cleaning equipment					Other equipment						
		Bur ex- tractor	Stick & green leaf machine	Combi- nation 1/	Magnet	Green boll trap	Other 2/	Seed cotton cleaner under distributor	Over flow by- pass	Mechan- ical sampler	Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
Virginia	11	-	3	-	2	2	-	7	5	-	-	-	-
North Carolina	185	69	60	5	60	80	-	147	137	-	2	1	-
South Carolina	240	71	90	8	58	129	205	51	157	-	109	-	-
Georgia	271	106	169	4	132	186	209	15	116	-	23	-	6
Florida	5	1	3	-	1	3	5	2	4	-	1	-	1
Alabama	349	106	198	30	119	159	300	49	158	1	47	5	60
Mississippi	604	174	285	34	305	255	555	45	452	2	126	11	14
Illinois & Kentucky	4	2	-	-	-	2	4	3	-	-	-	-	-
Tennessee	251	116	101	-	125	66	231	33	160	-	56	28	72
Missouri	127	64	55	12	81	47	127	41	93	-	62	27	16
Arkansas	488	279	196	29	277	216	412	245	338	1	188	68	35
Louisiana	201	95	97	25	70	93	118	109	125	1	44	4	25
Oklahoma	148	140	70	12	8	113	148	98	107	1	5	-	137
Texas	1,347	1,209	786	135	373	1,217	1,125	254	922	90	261	316	1,003
New Mexico	66	36	37	4	26	54	61	5	50	2	39	23	7
Arizona	138	90	58	19	37	125	40	62	107	15	67	26	4
California 3/	295	152	111	6	127	139	296	71	259	82	226	48	16
United States	4,730	2,710	2,319	323	1,801	2,886	3,836	1,237	3,190	195	1,256	557	1,396

1/ Combination bur extractor and stick and green leaf machine.

2/ Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

3/ Includes one gin in Nevada.

Table 4. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and Southeastern Area, July 1967

Classing Office and Southeastern Area	Total number		Batteries			Batteries by volume ginned										Ginning capacity by batteries				
	Gins	Bat- teries	Single	Double	Triple	500 or less	501 1,500	2,500	5,000	10,000	5,001 10,000	10,001 over	5 or less	6-10	11-15	16-20	21 and over			
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
<u>Raleigh Classing Office</u>																				
North Carolina	184	185	183	1	-	108	66	10	1	-	-	-	153	30	2	-	-	-		
Virginia	11	11	11	-	-	9	2	-	-	-	-	-	9	2	-	-	-	-		
Classing Office Total	195	196	194	1	-	117	68	10	1	-	-	-	162	32	2	-	-	-		
<u>Columbia Classing Office</u>																				
South Carolina	233	240	226	7	-	51	123	54	11	1	-	-	169	54	16	1	-	-		
<u>Augusta Classing Office</u>																				
Georgia	97	98	96	1	-	19	52	21	6	-	-	-	54	39	5	-	-	-		
<u>Atlanta Classing Office</u>																				
Georgia	168	173	163	5	-	32	92	43	6	-	-	-	64	96	12	1	-	-		
Florida	1	1	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-		
Classing Office Total	169	174	164	5	-	33	92	43	6	-	-	-	65	96	12	1	-	-		
<u>Birmingham Classing Office</u>																				
Alabama	214	218	216	1	-	35	112	55	15	1	-	-	97	105	13	3	-	-		
<u>Montgomery Classing Office</u>																				
Alabama	130	131	129	1	-	14	61	39	17	-	-	-	71	54	6	-	-	-		
Florida	4	4	4	-	-	-	3	-	1	-	-	-	-	3	1	-	-	-		
Classing Office Total	134	135	133	1	-	14	64	39	18	-	-	-	71	57	7	-	-	-		
Area	1,042	1,061	1,029	16	-	269	511	222	57	2	-	-	618	383	55	5	-	-		

Table 5. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and Southeastern Area, July 1967

Classing Office and Southeastern Area	Total gin bat- teries	Batteries by number of gin stands						Automatic bulk feed control	Seed cotton driers	Number of gin batteries having						Stages of lint cleaning							
		2 or less		3		4				5		6 or more		Stages of drying		Lint clean- ers	No.	1		2		3	4 or more
		No.	No.	No.	No.	No.	No.			No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
<u>Raleigh Classing Office</u>																							
North Carolina		185	39	84	62	-	-	-	12	175	110	62	3	-	161	90	59	12	-	-			
Virginia		11	6	4	1	-	-	-	-	5	4	1	-	-	4	2	2	-	-	-			
Classing Office Total		196	45	88	63	-	-	-	12	180	114	63	3	-	165	92	61	12	-	-			
<u>Columbia Classing Office</u>																							
South Carolina		240	44	96	93	7	-	-	43	234	120	109	5	-	226	67	123	35	1	1			
<u>Augusta Classing Office</u>																							
Georgia		98	18	26	51	3	-	-	20	95	38	51	6	-	94	24	59	11	-	-			
<u>Atlanta Classing Office</u>																							
Georgia		173	33	40	87	12	1	-	30	172	72	89	11	-	167	62	85	20	-	-			
Florida		1	-	-	1	-	-	-	-	1	1	-	-	-	1	1	-	-	-	-			
Classing Office Total		174	33	40	88	12	1	-	30	173	73	89	11	-	168	63	85	20	-	-			
<u>Birmingham Classing Office</u>																							
Alabama		218	40	48	118	12	-	-	70	212	84	126	2	-	211	25	133	52	1	1			
<u>Montgomery Classing Office</u>																							
Alabama		131	36	39	51	5	-	-	31	127	68	57	2	-	128	41	75	12	-	-			
Florida		4	1	1	2	-	-	-	1	4	2	2	-	-	4	-	3	1	-	-			
Classing Office Total		135	37	40	53	5	-	-	32	131	70	59	2	-	132	41	78	13	-	-			
Area		1,061	217	338	466	39	1	-	207	1,025	499	497	29	-	996	312	539	143	2	2			

Table 6. Cotton gin batteries with specified kinds of equipment, by classing office and Southeastern Area, July 1967

Classing Office and Southeastern Area	Total gin bat- teries	Number of gin batteries having											
		Seed cotton cleaning equipment					Other equipment						
		Bur ex- tractor	Stick & green leaf machine	Combi- nation 1/ Magnet	Green boll trap	Other 2/ Seed cotton cleaner under distributor	Over flow by- pass	Mechan- ical sampler	Mois- ture restor- ation system	Moisture restor- ation system	System to add chem- ical to seed cotton		
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
<u>Raleigh Classing Office</u>													
North Carolina	185	69	60	5	60	80	-	147	137	2	1	-	
Virginia	11	-	3	-	2	2	-	7	5	-	-	-	
Classing Office Total	196	69	63	5	62	82	-	154	142	2	1	-	
<u>Columbia Classing Office</u>													
South Carolina	240	71	90	8	58	129	205	51	157	-	109	-	
<u>Augusta Classing Office</u>													
Georgia	98	23	59	2	51	74	71	1	41	8	-	-	
<u>Atlanta Classing Office</u>													
Georgia	173	83	110	2	81	112	138	14	75	15	-	6	
Florida	1	-	-	-	-	-	1	-	1	-	-	-	
Classing Office Total	174	83	110	2	81	112	139	14	76	15	-	6	
<u>Birmingham Classing Office</u>													
Alabama	218	69	142	15	59	85	192	9	89	1	27	5	
<u>Montgomery Classing Office</u>													
Alabama	131	37	56	15	60	74	108	40	69	-	20	14	
Florida	4	1	3	-	1	3	4	2	3	-	1	1	
Classing Office Total	135	38	59	15	61	77	112	42	72	-	21	15	
Area	1,061	353	523	47	372	559	719	271	577	1	182	6	
												67	

1/ Combination bur extractor and stick and green leaf machine.

2/ Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

Table 7. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and South Central Area, July 1967

Classing Office and South Central Area	Total number		Batteries			Batteries by volume ginned							Ginning capacity by batteries						
	Gins	Bat- teries	Single	Double	Triple	500 or less	501 - 1,500	1,501 - 2,500	2,501 - 5,000	5,001 - 10,000	10,001 and over	Bales per hour							
												No.	No.	No.	No.	No.	No.		
																	6-10	11-15	16-20
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
Greenwood Classing Office Mississippi	346	360	332	14	-	9	67	104	144	35	1	95	187	51	18	9			
Jackson Classing Office Mississippi	108	109	107	1	-	24	39	25	18	3	-	78	26	4	1	-			
Louisiana	3	3	3	-	-	-	3	-	-	-	-	1	2	-	-	-			
Classing Office Total	111	112	110	1	-	24	42	25	18	3	-	79	28	4	1	-			
Memphis Classing Office Tennessee	247	251	243	4	-	16	142	74	17	2	-	134	106	11	-	-			
Illinois & Kentucky	4	4	4	-	-	3	1	-	-	-	-	3	1	-	-	-			
Arkansas	37	38	36	1	-	3	18	14	3	-	-	12	26	-	-	-			
Mississippi	131	135	127	4	-	2	65	48	18	2	-	93	36	6	-	-			
Classing Office Total	419	428	410	9	-	24	226	136	38	4	-	242	169	17	-	-			
Hayti Classing Office Missouri	126	127	125	1	-	28	53	38	8	-	-	63	57	7	-	-			
Blytheville Classing Office Arkansas	137	145	129	8	-	18	79	34	14	-	-	43	87	12	2	1			
Little Rock Classing Office Arkansas	298	305	291	7	-	31	135	92	44	3	-	133	155	16	1	-			
Winnsboro Classing Office Louisiana	90	92	88	2	-	2	9	29	45	6	1	8	65	13	5	1			
Alexandria Classing Office Louisiana	105	106	104	1	-	12	49	28	17	-	-	62	41	3	-	-			
Area	1,632	1,675	1,589	43	-	148	660	486	328	51	2	725	789	123	27	11			

Table 8. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and South Central Area, July 1967

Classing Office and South Central Area	Total gin bat- teries	Number of gin batteries having																
		Batteries by number of gin stands						Automatic bulk feed control	Seed cotton driers	Stages of drying				Lint clean- ers	Stages of lint cleaning			
		2 or less		3	4	5	6 or more			No.	No.	No.	No.		No.	No.	No.	No.
		No.	No.															
<u>Greenwood Classing Office</u> Mississippi	360	47	102	182	27	2	223	358	74	278	6	-	357	49	268	40	-	
<u>Jackson Classing Office</u> Mississippi	109	14	31	62	2	-	12	103	68	34	1	-	100	59	36	5	-	
Louisiana	3	-	1	2	-	-	-	3	3	-	-	-	3	3	-	-	-	
Classing Office Total	112	14	32	64	2	-	12	106	71	34	1	-	103	62	36	5	-	
<u>Memphis Classing Office</u> Tennessee	251	32	116	96	7	-	86	246	62	146	38	-	250	28	157	62	3	
Illinois & Kentucky	4	-	4	-	-	-	1	4	1	3	-	-	4	3	1	-	-	
Arkansas	38	8	3	27	-	-	24	38	13	24	1	-	38	17	18	3	-	
Mississippi	135	23	41	66	4	1	22	134	69	61	4	-	134	49	69	16	-	
Classing Office Total	428	63	164	189	11	1	133	422	145	234	43	-	426	97	245	81	3	
<u>Hayti Classing Office</u> Missouri	127	17	41	63	5	1	73	127	12	110	5	-	128	15	72	41	-	
<u>Blytheville Classing Office</u> Arkansas	145	19	44	60	20	2	67	145	17	122	6	-	145	19	110	13	3	
<u>Little Rock Classing Office</u> Arkansas	305	37	115	124	23	6	100	300	98	186	16	-	300	76	164	58	2	
<u>Winnsboro Classing Office</u> Louisiana	92	8	18	51	15	-	53	92	8	75	8	1	92	3	60	29	-	
<u>Alexandria Classing Office</u> Louisiana	106	12	18	56	20	-	22	106	28	74	4	-	106	24	63	16	3	
Area	1,675	217	534	789	123	12	683	1,656	453	1,113	89	1	1,657	345	1,018	283	11	

Table 9. Cotton gin batteries with specified kinds of equipment, by classing office and South Central Area, July 1967

Classing Office and South Central Area	Total gin bat- teries	Number of gin batteries having											
		Seed cotton cleaning equipment						Other equipment					
		Bur ex- tractor	Stick & green leaf machine	Combi- nation 1/ 2	Magnet	Green boll trap	Other 2/ 3	Seed cotton cleaner under distributor	Over flow by- pass	Mechan- ical sampler	Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
<u>Greenwood Classing Office</u> Mississippi	360	140	191	34	238	191	351	34	303	2	111	5	10
<u>Jackson Classing Office</u> Mississippi	109	13	35	-	20	24	71	2	55	-	10	-	-
Louisiana	3	-	-	-	-	-	2	-	-	-	-	-	-
Classing Office Total	112	13	35	-	20	24	73	2	55	-	10	-	-
<u>Memphis Classing Office</u> Tennessee	251	116	101	-	125	66	231	33	160	-	56	28	72
Illinois & Kentucky	4	2	-	-	-	2	4	3	-	-	-	-	-
Arkansas	38	23	16	1	25	28	38	3	30	-	6	5	5
Mississippi	135	21	59	-	47	40	133	9	94	-	5	6	4
Classing Office Total	428	162	176	1	197	136	406	48	284	-	67	39	81
<u>Hayti Classing Office</u> Missouri	127	64	55	12	81	47	127	41	93	-	62	27	16
<u>Blytheville Classing Office</u> Arkansas	145	88	50	15	89	40	81	48	99	-	91	44	-
<u>Little Rock Classing Office</u> Arkansas	305	168	130	13	163	148	293	194	209	1	91	19	30
<u>Winnsboro Classing Office</u> Louisiana	92	48	62	14	41	54	90	37	76	1	33	4	23
<u>Alexandria Classing Office</u> Louisiana	106	47	35	11	29	39	26	72	49	-	11	-	2
Area	1,675	730	734	100	858	679	1,447	476	1,168	4	476	138	162

1/ Combination bur extractor and stick and green leaf machine.

2/ Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

Table 10. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and Southwestern Area, July 1967

Classing Office and Southwestern Area	Total number		Batteries			Batteries by volume ginned										Ginning capacity by batteries				
	Gins	Bat- teries	Single	Double	Triple	500 or less	501 -	1,500 2,500	1,501 2,501	5,001 10,000	5,001 10,001 and over	Bales per hour				5 or less	No.	No.	No.	No.
												6-10	11-15	16-20	21 and over					
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
<u>Altus Classing Office</u>																				
Oklahoma	109	113	106	2	1	9	59	21	19	5	-	43	61	7	2	-				
Texas	74	78	71	2	1	2	33	26	10	2	5	22	48	6	2	-				
Classing Office Total	183	191	177	4	2	11	92	47	29	7	5	65	109	13	4	-				
<u>Dallas Classing Office</u>																				
Texas	178	179	177	1	-	9	53	62	53	2	-	76	97	6	-	-				
Oklahoma	35	35	35	-	-	8	22	5	-	-	-	28	7	-	-	-				
Classing Office Total	213	214	212	1	-	17	75	67	53	2	-	104	104	6	-	-				
<u>Austin Classing Office</u>																				
Texas	215	221	209	6	-	28	107	51	31	4	-	141	72	7	1	-				
<u>Corpus Christi Classing Office</u>																				
Texas	113	118	108	5	-	12	41	33	30	2	-	18	83	13	4	-				
<u>Harlingen Classing Office</u>																				
Texas	75	94	57	17	1	2	15	27	47	3	-	6	80	8	-	-				
<u>Abilene Classing Office</u>																				
Texas	137	141	134	2	1	1	26	35	45	28	6	32	92	15	2	-				
<u>Lubbock Classing Office</u>																				
Texas	380	462	315	49	16 1/2	10	101	132	192	27	-	19	362	63	15	3				
New Mexico	6	6	6	-	-	-	3	3	-	-	-	-	6	-	-	-				
Classing Office Total	386	468	321	49	16 1/2	10	104	135	192	27	-	19	368	63	15	3				
Area	1,322	1,447	1,218	84	20 1/2	81	460	395	427	73	11	385	908	125	26	3				

1/ Includes one gin in Lubbock territory with four batteries.

Table 11. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and Southwestern Area, July 1967

Classing Office and Southwestern Area	Total gin bat- teries	Number of gin batteries having																		
		Batteries by number of gin stands						Automatic bulk feed control	Seed cotton driers	Stages of drying				Lint clean- ers	Stages of lint cleaning					
		2 or less		3	4	5	6 or more			No.	No.	No.	No.		No.	No.	No.	No.	No.	No.
		No.	No.																	
<u>Altus Classing Office</u> Oklahoma Texas	113 78	13 5	17 7	57 38	24 28	2 -	38 22	113 78	55 40	56 36	2 2	- -	112 78	36 29	74 43	2 6	- -	- -	- -	
Classing Office Total	191	18	24	95	52	2	60	191	95	92	4	-	190	65	117	8	-	-	-	
<u>Dallas Classing Office</u> Texas Oklahoma	179 35	19 5	28 8	98 20	33 2	1 -	51 6	177 35	76 24	91 10	10 1	- -	177 34	78 27	93 7	6 -	- -	- -	- -	
Classing Office Total	214	24	36	118	35	1	57	212	100	101	11	-	211	105	100	6	-	-	-	
<u>Austin Classing Office</u> Texas	221	23	22	103	72	1	39	218	93	115	9	1	211	134	69	8	-	-	-	
<u>Corpus Christi Classing Office</u> Texas	118	9	13	32	61	3	49	118	17	88	12	1	118	16	85	17	-	-	-	
<u>Harlingen Classing Office</u> Texas	94	2	7	23	59	3	44	94	5	78	11	-	94	6	61	27	-	-	-	
<u>Abilene Classing Office</u> Texas	141	3	19	58	55	6	47	141	59	75	6	1	141	68	68	5	-	-	-	
<u>Lubbock Classing Office</u> Texas New Mexico	462 6	22 -	55 1	164 3	197 2	24 -	175 -	462 6	130 4	281 2	47 -	4 -	461 6	44 1	346 5	67 -	4 -	4 -	4 -	
Classing Office Total	468	22	56	167	199	24	175	468	134	283	47	4	467	45	351	67	4	4	4	
Area	1,447	101	177	596	533	40	471	1,442	503	832	100	7	1,432	439	851	138	4	4	4	

Table 12. Cotton gin batteries with specified kinds of equipment, by classing office and Southwestern Area, July 1967

Classing Office and Southwestern Area	Total gin bat- teries	Number of gin batteries having											
		Seed cotton cleaning equipment						Other equipment					
		Bur ex- tractor	Stick & green leaf machine	Combi- nation 1/ 2	Magnet	Green boll trap	Other 2/ 3	Seed cotton cleaner under distributor	Over flow by- pass	Mechan- ical sampler	Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
<u>Altus Classing Office</u>													
Oklahoma	113	109	49	10	8	94	113	95	87	1	5	-	110
Texas	78	77	50	16	10	72	78	56	75	-	5	-	74
Classing Office Total	191	186	99	26	18	166	191	151	162	1	10	-	184
<u>Dallas Classing Office</u>													
Texas	179	169	118	36	34	170	175	16	126	-	6	-	110
Oklahoma	35	31	21	2	-	19	35	3	20	-	-	-	27
Classing Office Total	214	200	139	38	34	189	210	19	146	-	6	-	137
<u>Austin Classing Office</u>													
Texas	221	205	104	8	53	181	102	36	125	-	23	4	119
<u>Corpus Christi Classing Office</u>													
Texas	118	86	78	15	43	92	118	10	95	1	33	7	71
<u>Harlingen Classing Office</u>													
Texas	94	51	68	34	42	72	-	14	18	1	32	14	69
<u>Abilene Classing Office</u>													
Texas	141	140	80	1	24	134	138	5	98	15	18	12	129
<u>Lubbock Classing Office</u>													
Texas	462	448	248	20	151	449	462	116	335	73	108	259	427
New Mexico	6	6	3	-	-	5	6	1	4	-	-	-	6
Classing Office Total	468	454	251	20	151	454	468	117	339	73	108	259	433
Area	1,447	1,322	819	142	365	1,288	1,227	352	983	91	230	296	1,142

1/ Combination bur extractor and stick and green leaf machine.

2/ Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

Table 13. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and Western Area, July 1967

Classing Office and Western Area	Total number		Batteries			Batteries by volume ginned										Ginning capacity by batteries							
	Gins	Bat- teries	Single	Double	Triple	500 or less	501 -	1,500 -	2,500 -	5,000 -	1,501 -	2,501 -	5,001 -	10,001 and over	Bales per hour								
															No.	No.	No.	No.	No.	No.	No.	No.	No.
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
El Paso Classing Office																							
Texas Saw Gins	18	19	17	1	-	-	5	8	6	-	-	-	-	-	6	13	-	-	-	-			
Texas Roller Gins	11	12	10	1	-	-	1	6	4	1	-	-	-	-	6	6	-	-	-	-			
New Mexico Saw Gins	21	24	18	3	-	1	4	4	14	1	-	-	-	-	6	16	2	-	-	-			
New Mexico Roller Gins	6	6	6	-	-	1	1	4	-	-	-	-	-	-	2	4	-	-	-	-			
Arizona Saw Gins	9	9	9	-	-	-	1	-	7	1	-	-	-	-	-	6	3	-	-	-			
Arizona Roller Gins	3	3	3	-	-	-	-	-	3	-	-	-	-	-	-	3	-	-	-	-			
Classing Office Total	68	73	63	5	-	2	12	22	34	3	-	-	-	-	20	48	5	-	-	-			
Carlsbad Classing Office																							
Texas Saw Gins	19	21	17	2	-	-	3	5	11	2	-	-	-	-	11	10	-	-	-	-			
Texas Roller Gins	2	2	2	-	-	-	1	1	-	-	-	-	-	-	2	-	-	-	-	-			
New Mexico Saw Gins	26	30	30	-	-	1	3	13	12	1	-	-	-	-	5	21	4	-	-	-			
Classing Office Total	47	53	49	2	-	1	7	19	23	3	-	-	-	-	18	31	4	-	-	-			
Phoenix Classing Office																							
Arizona Saw Gins	98	99	97	1	-	-	4	14	47	34	-	-	-	-	1	65	29	4	-	-			
Arizona Roller Gins	16	16	16	-	-	1	8	7	-	-	-	-	-	-	15	1	-	-	-	-			
Classing Office Total	114	115	113	1	-	1	12	21	47	34	-	-	-	-	16	66	29	4	-	-			
Fresno Classing Office																							
California Saw Gins	115	137	97	15	3 1/2	7	12	20	62	36	-	-	-	-	6	84	42	3	2	2			
Bakersfield Classing Office																							
California saw gins 2/	103	127	85	14	4 1/2	2	3	29	54	33	6	-	-	-	-	63	47	16	1	1			
El Centro Classing Office																							
California Saw Gins	26	30	22	4	-	3	1	3	15	8	-	-	-	-	-	10	15	4	1	1			
California Roller Gins	1	1	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-			
Arizona Saw Gins	11	11	11	-	-	1	-	2	2	5	1	-	-	-	-	9	1	-	-	-			
Classing Office Total	38	42	34	4	-	4	2	5	17	13	1	1	1	1	1	19	16	4	2	2			
Area	485	547	441	41	7 1/2	17	48	116	237	122	7	61	311	143	27	5	-	-	-	-			

1/ Includes one gin in Fresno territory with four batteries and one in Bakersfield territory with five batteries.

2/ Includes one gin in Nevada.

Table 14. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and Western Area, July 1967

Classing Office and Western Area	Total gin bat- teries	Number of gin batteries having																				
		Batteries by number of gin stands						Automatic bulk feed control driers	Seed cotton driers	Stages of drying				Lint clean- ers	Stages of lint cleaning							
		2 or less		3		4				5		6 or more			1		2		3		4 or more	
		No.	No.	No.	No.	No.	No.			No.	No.	No.	No.		No.	No.	No.	No.	No.	No.	No.	No.
<u>El Paso Classing Office</u>																						
Texas Saw Gins	19	1	1	3	13	1	10	19	13	5	1	-	19	-	8	10	1	-	-			
Texas Roller Gins	12	-	-	-	-	12	10	11	6	5	-	-	8	3	5	-	-	-	-			
New Mexico Saw Gins	24	2	5	9	8	-	12	23	11	11	1	-	24	4	12	8	-	-	-			
New Mexico Roller Gins	6	-	1	-	-	5	3	6	4	2	-	-	5	2	3	-	-	-	-			
Arizona Saw Gins	9	-	3	2	4	-	5	9	2	6	1	-	9	-	4	4	1	-	-			
Arizona Roller Gins	3	-	-	-	-	3	2	3	3	-	-	-	3	-	3	-	-	-	-			
Classing Office Total	73	3	10	14	25	21	42	71	39	29	3	-	68	9	35	22	2	-	-			
<u>Carlsbad Classing Office</u>																						
Texas Saw Gins	21	-	1	7	13	-	5	21	4	9	7	1	21	-	12	9	-	-	-			
Texas Roller Gins	2	-	-	-	-	2	2	2	2	-	-	-	-	-	-	-	-	-	-			
New Mexico Saw Gins	30	3	4	14	9	-	12	30	7	17	5	1	30	-	20	10	-	-	-			
Classing Office Total	53	3	5	21	22	2	19	53	13	26	12	2	51	-	32	19	-	-	-			
<u>Phoenix Classing Office</u>																						
Arizona Saw Gins	99	4	13	13	65	4	78	99	26	59	14	-	99	6	56	30	7	-	-			
Arizona Roller Gins	16	-	-	-	-	16	13	16	14	1	-	-	16	5	11	-	-	-	-			
Classing Office Total	115	4	13	13	65	20	91	115	40	60	14	1	115	11	67	30	7	-	-			
<u>Fresno Classing Office</u>																						
California Saw Gins	137	1	7	20	95	14	137	137	1	87	49	-	137	-	85	52	-	-	-			
<u>Bakersfield Classing Office</u>																						
California saw gins 1/	127	2	12	13	88	12	125	127	9	104	13	1	127	3	86	33	5	-	-			
<u>El Centro Classing Office</u>																						
California Saw Gins	30	2	4	9	15	-	30	30	2	27	1	-	30	-	25	5	-	-	-			
California Roller Gins	1	-	-	1	-	-	1	1	1	-	-	-	1	-	1	-	-	-	-			
Arizona Saw Gins	11	-	1	1	9	-	11	11	-	11	-	-	11	-	11	-	-	-	-			
Classing Office Total	42	2	5	11	24	-	42	42	3	38	1	-	42	-	37	5	-	-	-			
Area	547	15	52	92	319	69	456	545	105	344	92	4	540	23	342	161	14	-	-			

1/ Includes one gin in Nevada.

Table 15. Cotton gin batteries with specified kinds of equipment, by classing office and Western Area, July 1967

Classing Office and Western Area	Total gin bat- teries	Number of gin batteries having											
		Seed cotton cleaning equipment					Other equipment						
		Bur ex- tractor	Stick & green leaf machine	Combi- nation 1/	Magnet	Green boll trap	Other 2/	Seed cotton cleaner under distributor	Over flow by- pass	Mechan- ical sampler	Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
<u>El Paso Classing Office</u>													
Texas Saw Gins	19	9	13	2	4	15	19	1	16	-	11	6	3
Texas Roller Gins	12	7	7	2	4	10	11	-	11	-	8	1	1
New Mexico Saw Gins	24	9	13	4	11	20	20	-	13	2	18	7	1
New Mexico Roller Gins	6	2	5	-	3	3	5	-	6	-	5	2	-
Arizona Saw Gins	9	4	7	-	1	7	7	1	8	1	7	6	-
Arizona Roller Gins	3	1	1	-	-	3	3	-	3	-	2	-	-
Classing Office Total	73	32	46	8	23	58	65	2	57	3	51	22	5
<u>Carlsbad Classing Office</u>													
Texas Saw Gins	21	16	18	1	6	20	20	-	21	-	15	12	-
Texas Roller Gins	2	1	2	-	2	2	2	-	2	-	2	1	-
New Mexico Saw Gins	30	19	16	-	12	26	30	4	27	-	16	14	-
Classing Office Total	53	36	36	1	20	48	52	4	50	-	33	27	-
<u>Phoenix Classing Office</u>													
Arizona Saw Gins	99	76	42	13	31	94	16	50	74	10	44	18	-
Arizona Roller Gins	16	6	6	-	4	12	3	9	14	-	3	-	-
Classing Office Total	115	82	48	13	35	106	19	59	88	10	47	18	-
<u>Fresno Classing Office</u>													
California Saw Gins	137	85	46	-	67	53	137	55	114	32	121	14	-
<u>Bakersfield Classing Office</u>													
California saw gins 3/	127	52	54	2	51	57	127	8	119	35	79	23	2
<u>El Centro Classing Office</u>													
California Saw Gins	30	15	10	4	9	28	30	8	25	15	26	11	14
California Roller Gins	1	-	1	-	-	1	2	-	1	-	-	-	-
Arizona Saw Gins	11	3	2	6	1	9	11	2	8	4	11	2	4
Classing Office Total	42	18	13	10	10	38	43	10	34	19	37	13	18
Area	547	305	243	34	206	360	443	138	462	99	368	117	25

1/ Combination bur extractor and stick and green leaf machine.

2/ Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

3/ Includes one gin in Nevada.

